



## REPLACEMENT SHEET

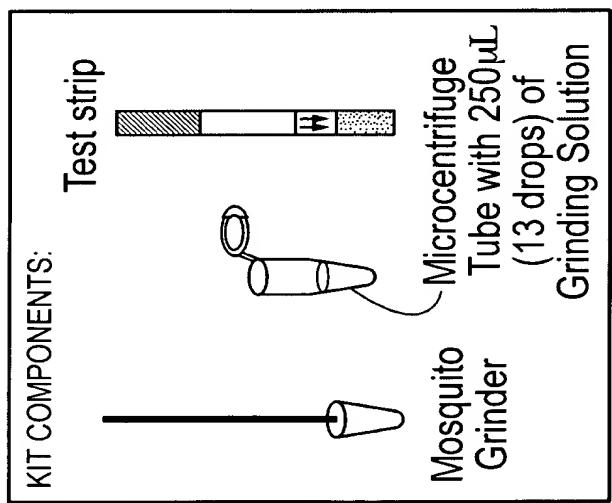
# Figure 2 VecteSt™

**MALARIA Sporozoite Antigen Panel Assay**

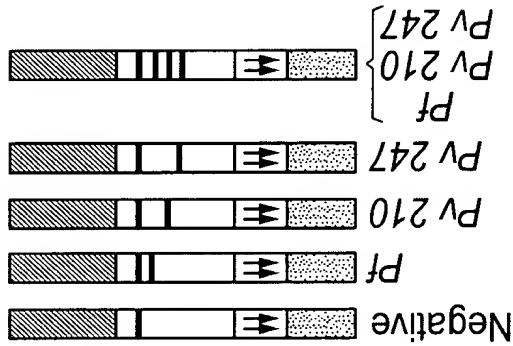
- *Plasmodium falciparum*
- *Plasmodium vivax* 210
- *Plasmodium vivax* 247

Store at room temperature  
FOR INVESTIGATIONAL USE ONLY

NAVIX  
Medical Analysis Systems, Inc.  
524 Flynn Road  
Camarillo, CA 93012



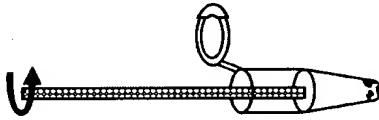
### INTERPRETATION OF RESULTS: POSITIVE FOR DIFFERENT ANALYTES:



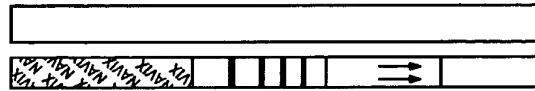
- The test should be interpreted positive only if at least two lines appear on the strip.
- The test is negative when only one line (control line) develops on the strip.
- Discard strip if no line develops. The test results are not valid if control line does not develop.

### PROCEDURE:

PREPARE MOSQUITOES FOR TEST → HOMOGENIZE → REMOVE THE GRINDER, PLACE THE DIPSTICK IN THE SAMPLE TUBE AS SHOWN IN THE FIGURE



PLACE MOSQUITO PARTS (HEAD AND THORAX) INTO THE GIVEN TUBES WITH 250µL (13 DROPS) OF GRINDING SOLUTION

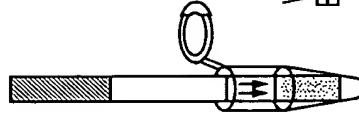


Signal pattern:

Control →  
Pf  
Pv 210  
Pv 247

Place your test strip in the box for comparison

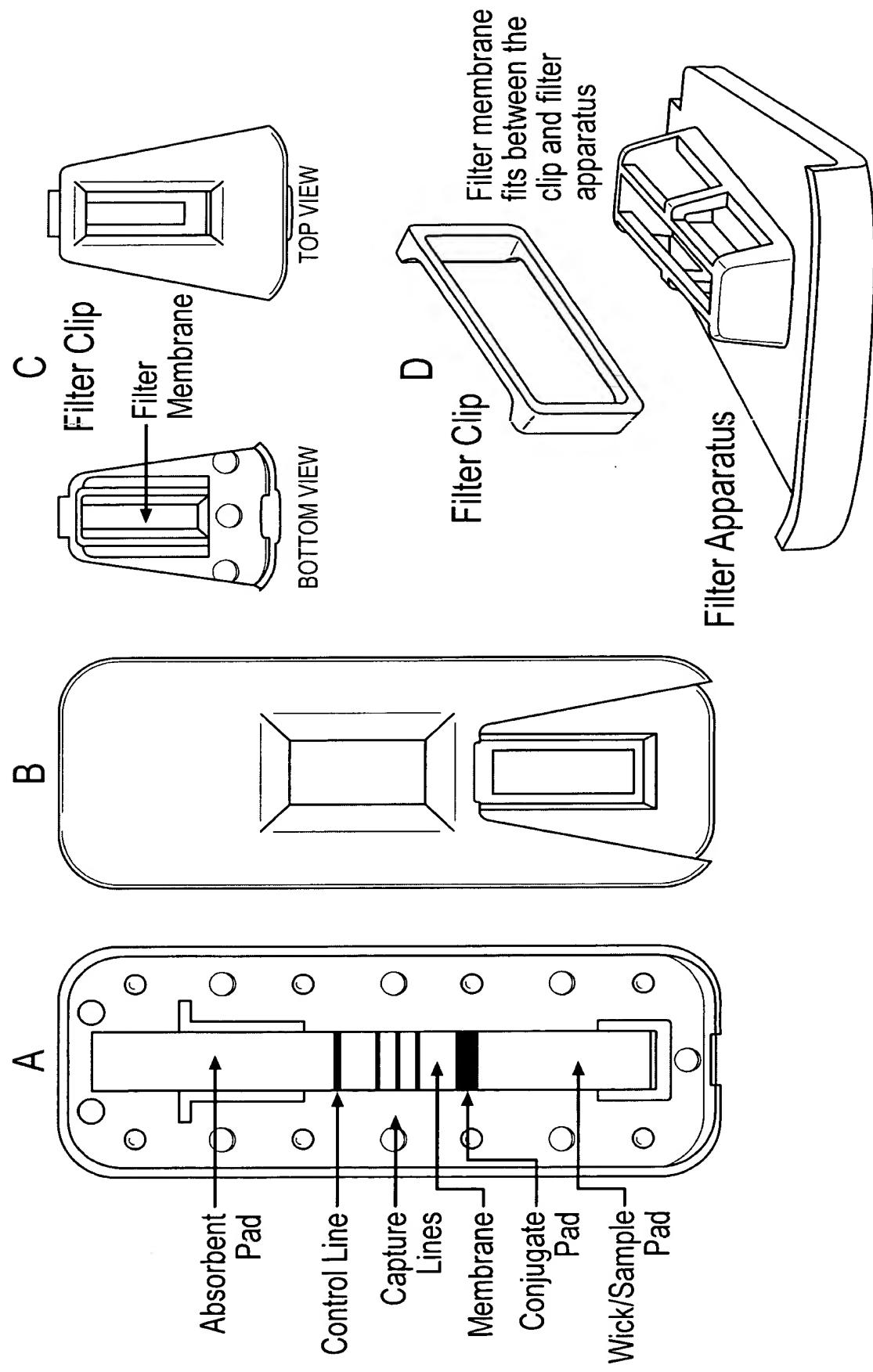
WAIT 15 MINUTES  
BEFORE READING  
RESULTS





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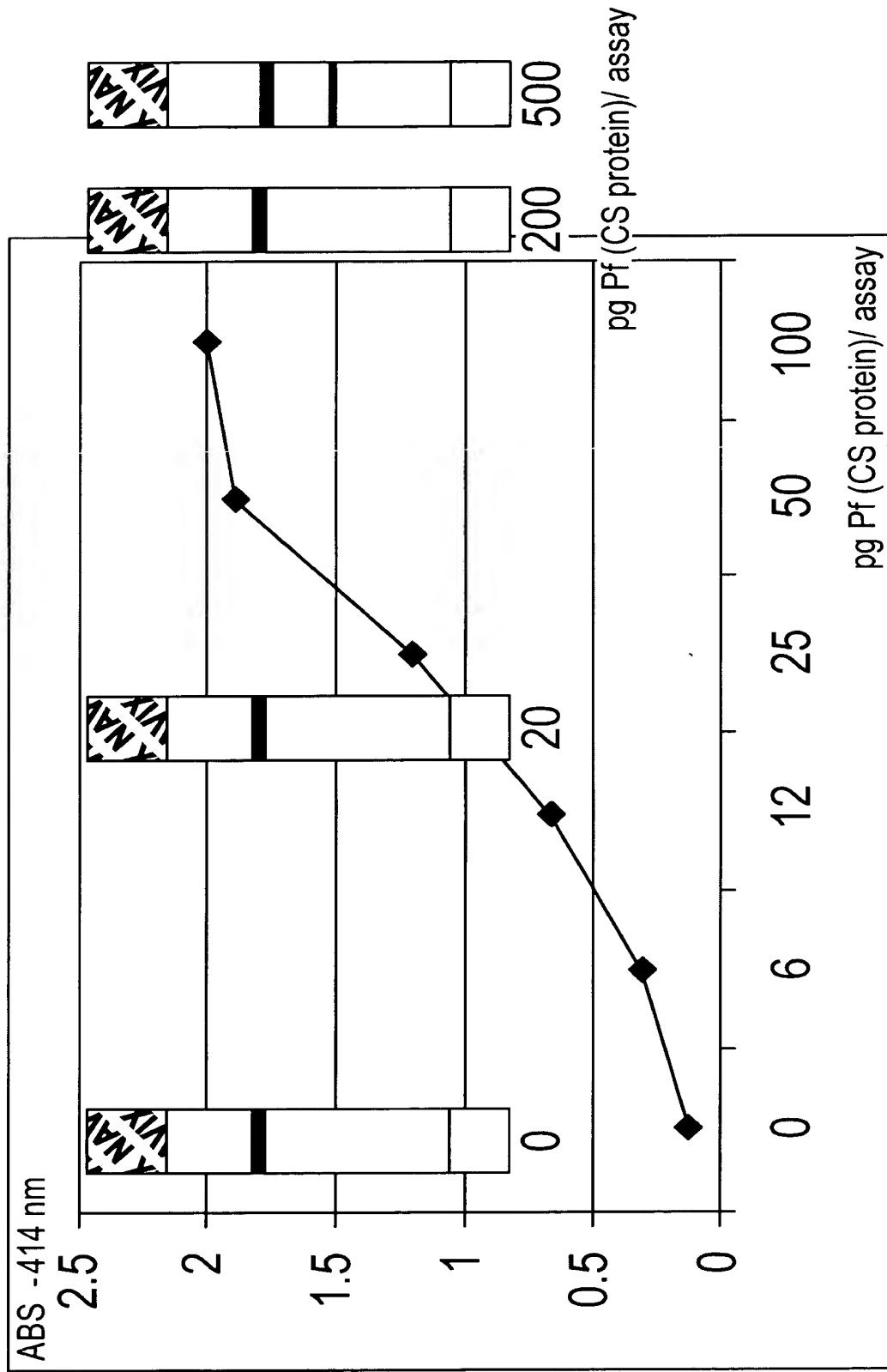
Figure 3





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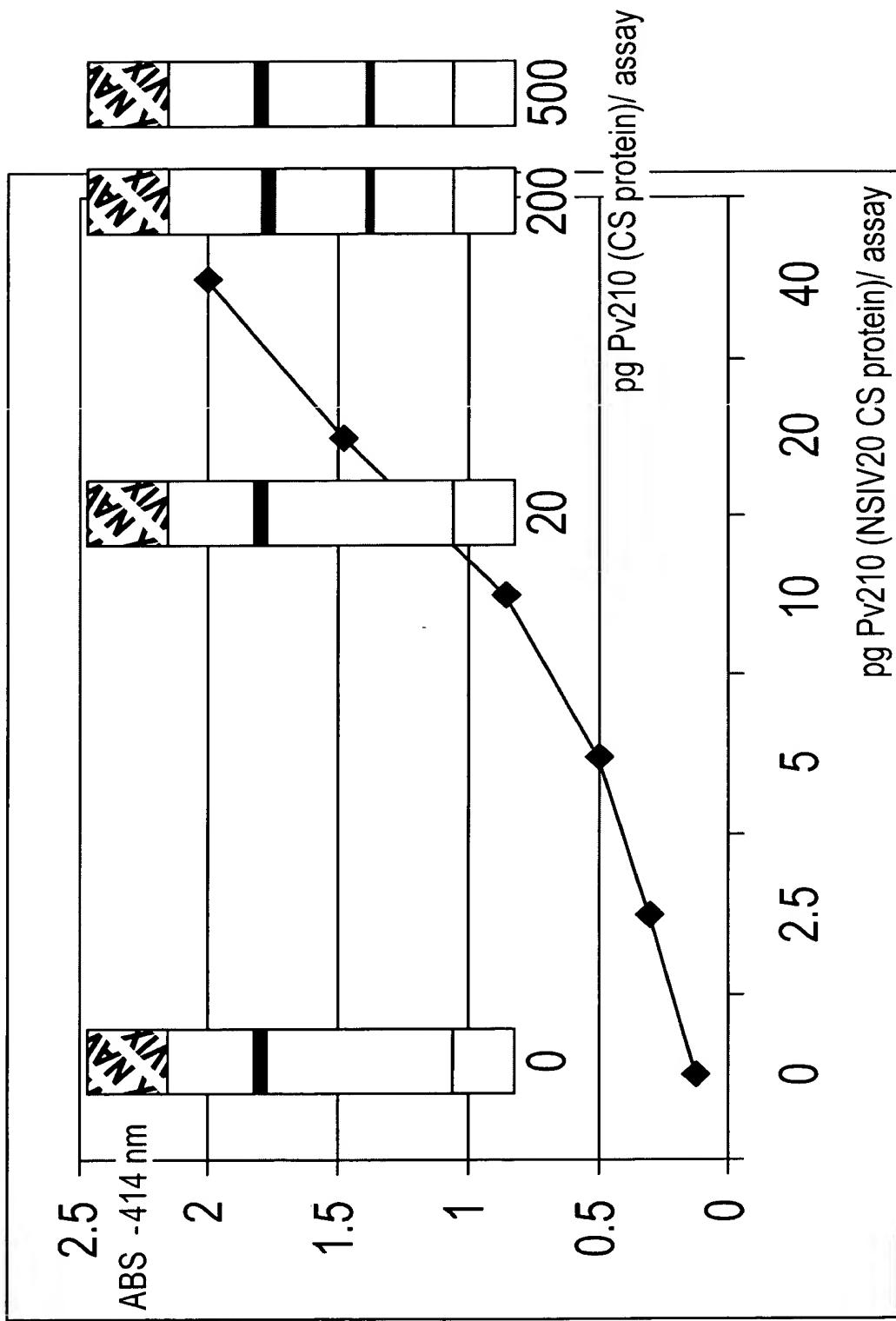
*Plasmodium falciparum* CS Protein Detection  
ELISA versus Dipstick: Figure 4





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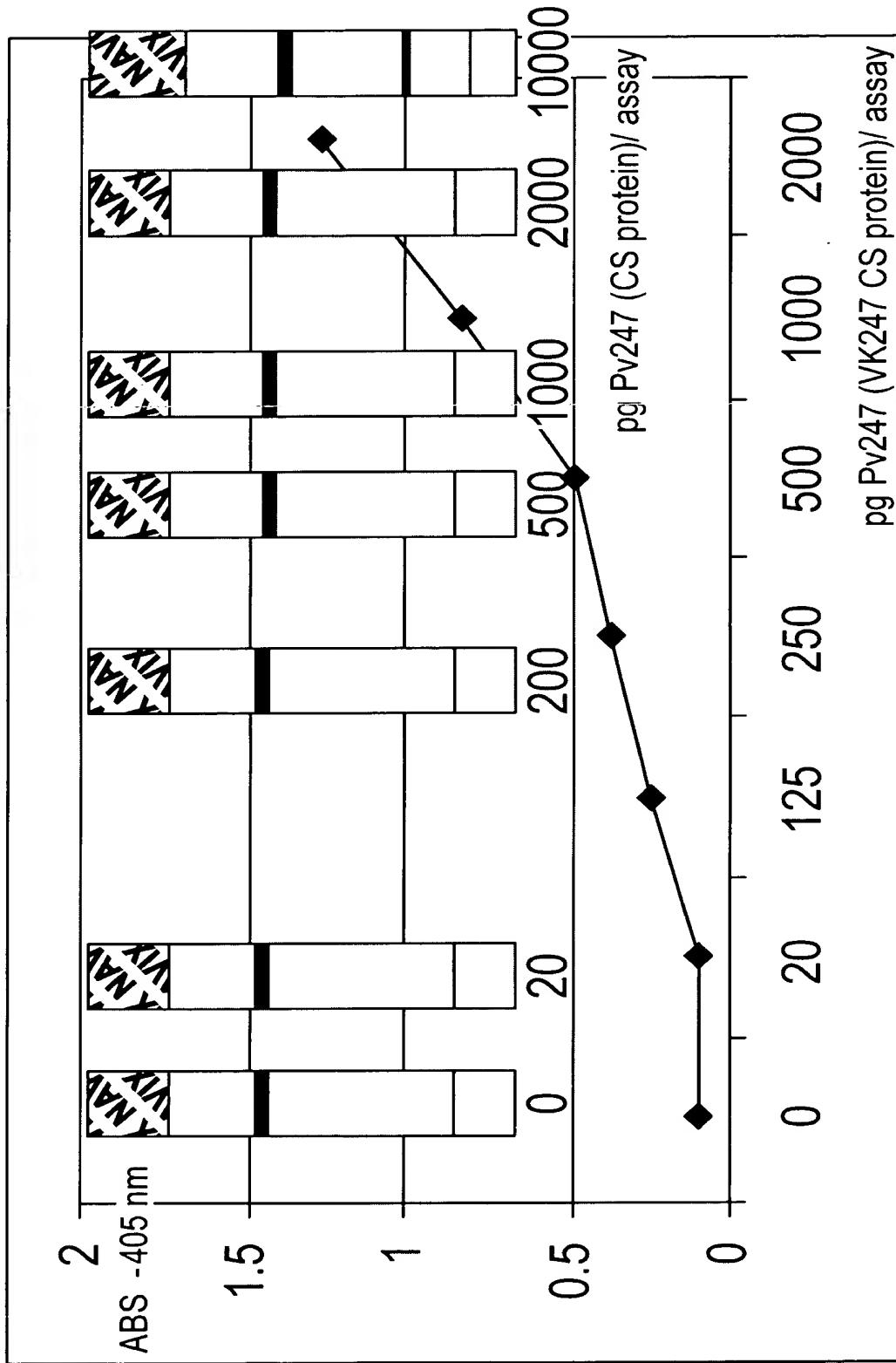
Plasmodium vivax 210 CS Protein Detection  
ELISA versus Dipstick: Figure 5





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*Plasmodium vivax* 247 CS Protein Detection  
ELISA versus Dipstick: Figure 6





**REPLACEMENT SHEET**

## Panel Dipstick Detection of *Plasmodium* Sporozoites in Infected Mosquitoes: Figure 7

## Mosquito (MQ) extract:

## Pf infected mosquitoes

## Pv247 infected mosquitoes

1MQ, 1MQ, 2MQ, 3MQ, 5MQ

1MQ, 1MQ, 2MQ, 3MQ, 5MQ

1MQ, 3MQ, 5MQ,

A small, rectangular seal impression located in the upper right corner of the page. It contains stylized characters, likely reading "NAN".

The image displays a vertical sequence of five horizontal bars. Each bar is composed of five rectangular segments arranged side-by-side. In the first four bars, the first segment from the left is black, and the remaining four are white. In the fifth bar, the second segment from the left is black, and the other three are white. The bars are separated by small gaps.

The image displays three horizontal bars, each composed of five rectangular segments. The first bar has all segments white. The second bar has the fourth segment black. The third bar has the fifth segment black.

Pf sporozoites (ELISA result)

Time	Pv210 sporozoites (ELISA result)
0	0
400	~75
35	~15
75	~10

Pv247 sporozoites  
(ELISA result)

## Sensitivity in ELSA:

~25-50 Pf sporozoites

~25-50 Pv210 sporozoites